



•ELECTROHOME

Industrial - Commercial Components

ELECTROHOME

... innovative Industrial and Commercial Components

Electrohome has been one of the pioneers in developing innovative applications for Rigid Polyurethane. The result of our development work means that you can enjoy more freedom in design. Not only have many of the traditional design restrictions been lifted, but the need for large runs to remain competitive are also eliminated.

If you are in the process of developing a product requiring an attractive well built housing, Electrohome is your source.

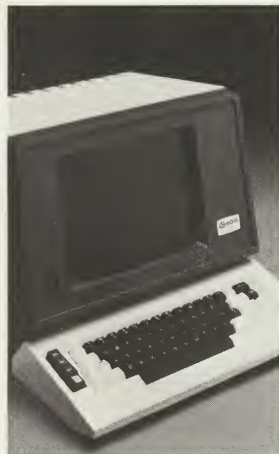
Rigid Polyurethane Advantages

... key advantages

- Design Flexibility
- Low Tooling Costs
- Small Production Runs

... other important features

- Various levels of fire retardancy
- Multiple density and impact strengths
- High-rise parts (over 12" possible)
- Parts can be painted, glazed and lacquered
- Assembly with wood screws or integral moulded inserts



Typical Applications

... cabinetry and decorative housings

- Computer terminals and keyboards
- TV game housings
- Telephone stands
- Speaker housings
- Cabinets
- Humidifier cases and fronts
- Storage cubes
- TV monitors

... other applications

- Advertising displays
- Beehives
- Truck glove box doors
- TV masks

Why Choose Electrohome?

There are many reasons to choose Electrohome as your rigid urethane component supplier, some of the more noteworthy are:

- Quality products
- Design assistance—complete design service available
- Proven reliable delivery
- Design protection
- Finishing facility available
- Machining facility — if needed
- Experienced tool makers
- Canadian wide sales force

... an additional word about Electrohome:

Since our beginning in 1907 we have become one of Canada's best known names in manufacturing. Making fine home furnishings, electronics equipment, home entertainment equipment, home comfort, and industrial products.



ELECTROHOME

INDUSTRIAL PRODUCTS DIVISION
PLASTICS MARKETING GROUP

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ELECTROHOME

Large Screen Data/Graphics Video Display



ELECTROHOME

Large Screen Monochrome Projection Monitor

Introduction

The Electrohome EDP-56 monochrome projection monitor is specifically designed for large screen, high resolution video displays of alphanumeric and graphic information from computer generated signals. It is uniquely designed to synchronize with almost all CRT-type computer terminals available today.*

Extremely compact, the high brightness monochrome projector permits large group viewing in normal office lighting environments. Crisp, big picture impact replaces the need for several conventional sized monitors.

The EDP-56 is ideal for demonstrations of new computer hardware and software developments. Classroom teaching of computer programming is made easy. It is equally dramatic for customer or trade show presentations. Lightweight, it can be moved from room to room. A precision F1.0 lens is user focusable for 4 ft. to 10 ft. (1.2m to 3m) diagonal screens. The EDP-56 also features a scan reverse switch for rear screen projection.

This modular, solid state unit is versatile, rugged and reliable, matching today's fast moving information needs. Set-up and operating ease, even by non-technical personnel, is inherent in the design of the EDP-56. It eliminates audience fragmentation and permits each viewer to enjoy maximum impact from data/graphics presentations.

General Features

The versatile, solid state EDP-56 projection monitor is a compact 27" x 14" x 8" (69cm x 36cm x 21cm) and weighs only 50 lbs. (22.7 Kg). Designed for ceiling, pedestal or desk stand mounting, the unit offers tremendous flexibility for display presentations.

Stylish, the case and trim are made of textured steel and cast urethane. There is a rear carrying handle. A front trim extrusion protects the precision lens.

Precision optics and high speed electronics provide 600 line resolution capability for sharp data/graphics display, exceeding 80 characters/line.

Easy to use operator controls are on the rear panel; service controls are accessible through the control panel. Also featured is video loop thru, keystone adjustment and D.C. restoration.

Data approved P1 green phosphor is standard. Optional phosphors available to match terminal manufacturer standards.

Applications

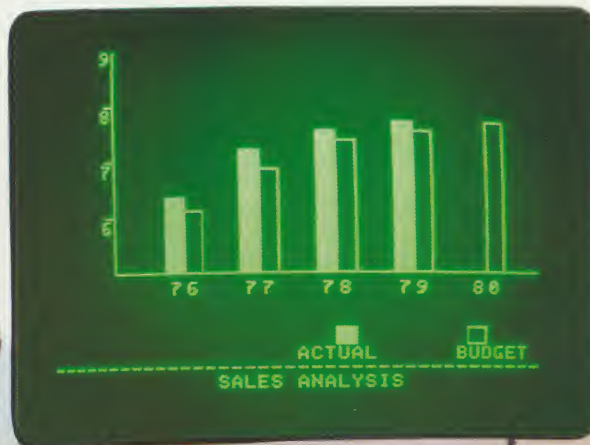
Large screen data/graphics video displays will find an ever increasing number of applications with computer generated signals. The unique ability to place large groups at the focal point of information displays makes the EDP-56 ideal for computer hardware and software manufacturer demonstrations.

As a teaching aid, a data/graphics video display is cost efficient and a dramatic educational device.

Business, from Boardroom to Sales Clinics, has a dynamic new method of presenting facts and figures to executives, shareholders and employees. Stock exchanges, commodity exchanges, airports and military control points now have an opportunity to effectively provide critical information instantly and factually.

Wherever computers are used, the potential exists for the EDP-56 to demonstrate its unique capabilities.

Actual TV Picture



*An optional Interface Module may be needed for your particular CRT terminal.

Screens

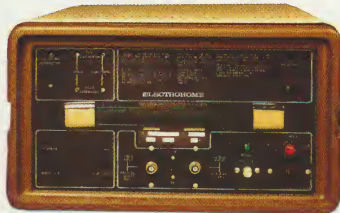
The versatile EDP-56 may be used on many different screen materials and sizes, including flat and rear projection screens. Electrohome offers accessory 5 ft. and 6 ft., (1.5m and 1.8m) high gain, curved screens for viewing in higher ambient light areas. Rugged and durable, they feature a washable reflecting surface. The screens have adjustable wall mounting hardware. Accessory legs are available for free standing display applications.



Interfacings

Electronic circuitry in the EDP-56 data/graphics projection monitor permits interfacing with almost all CRT computer terminals on the market today. The unit employs stabilized power supplies and picture-size circuitry that allows operation over a wide range of scanning frequencies without internal modifications.

For some terminals not supplying composite video outputs an economical Electrohome designed interface module must be used. The module simply supplies the necessary composite video (via coaxial cable) to the input on the EDP-56.



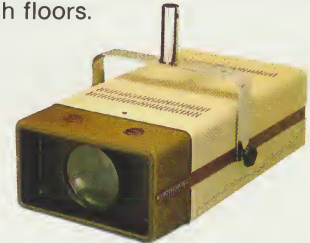
The functional, easy to use control panel (shown) features convenient loop-thru BNC inputs to interface directly either with video terminals or the interface module.

Convenient user controls located on the rear control panel include Power Switch, Brightness and Contrast.

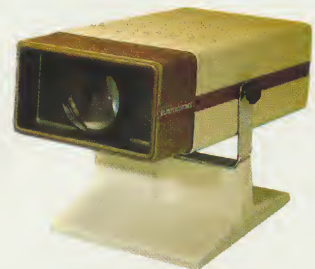
Other less frequently required set-up controls - Electrical Focus, Keystone Correction, Picture Size, Vertical, Horizontal Hold - are recessed to allow access for set-up adjustments. Easy optical focusing of the lens permits use with various screen sizes.

Versatility

The unique design of the EDP-56 monochrome projection monitor further illustrates its versatility for a wide variety of display applications. The chrome mounting yoke, standard with each projector, can be used for permanent or semi-permanent ceiling mounting of the unit. An optional accessory is the DS-56 Desk Stand. The standard chrome mounting yoke fits neatly into the stylish urethane moulded stand to provide a sturdy table, shelf or desk mount on non-marking feet. Similarly, the optional PB-56 Pedestal Base allows convenient portability for a myriad of applications. It is finger tip height adjustable with a counterbalancing air spring within the central column. A wide stance base and 4-inch (10cm) castors permit easy movement over rough floors.



Chrome Mounting Yoke (standard)



DS-56 Desk Stand (optional)



*PB-56
Pedestal Base
(optional)*



Performance Data and Specifications

Brightness

- ☐ 100 foot-lamberts peak on axis on a 5' (1.5m) diagonal 10 gain screen
- ☐ 100 lumens total light output (Std. P1 Phosphor)

Display

- ☐ Green P1 phosphor standard, other phosphors available on special order.
- ☐ Throw distance approx. 1.2 x screen diagonal size.
- ☐ Continuously focusable from 4' (1.2m) diagonal projected picture to 10' (3m) diagonal.
- ☐ Aspect ratio 3:4.
- ☐ Keystone circuitry to correct picture for projection angles up to $\pm 15^\circ$ vertically from screen axis.

Operating and Service Controls

Front

- ☐ Optical focussing of projection lens

Rear External

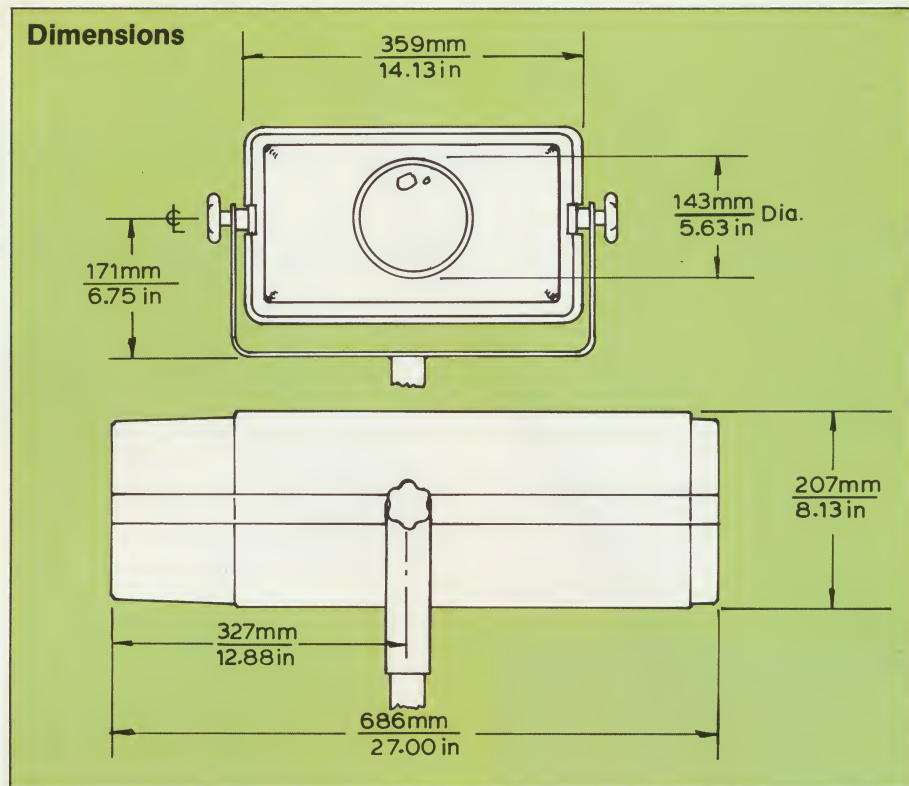
- ☐ Power on-off switch
- ☐ Brightness control
- ☐ Contrast control
- ☐ Video input 75 Ω termination switch
- ☐ AC power input

Rear Internal (accessible)

- ☐ Electrical focus
- ☐ Keystone correction
- ☐ Vertical size (height)
- ☐ Vertical hold
- ☐ Horizontal size (width)
- ☐ Horizontal hold
- ☐ Primary fuse (1.5A slow blow std.)
- ☐ Reversed Scan Switch for rear screen projection.

Internal

- ☐ 120/220/240 VAC plug connection (120 VAC std.)
- ☐ Vertical linearity adjust
- ☐ Horizontal video centering adjust
- ☐ D.C. restoration switch:
 1. back porch clamp (STD)
 2. sync tip clamp
- ☐ G2 bias supply adjust



Video Circuits

Input

- ☐ 2 BNC connectors (looped through)
- ☐ 75 $\Omega \pm 1\%$ terminated
- ☐ 25k ohm shunted by 12pf open
- ☐ input level 0.5 to 2.0 volts p-p sync negative
- ☐ differential (floating) input rejects 14 volts
- ☐ p-p of power line hum voltage

Frequency Response

- ☐ 20MHz bandwidth ± 3 db

D.C. Restoration

- ☐ Back porch keyed clamp internally switchable to sync tip clamp.

Gain

- ☐ Min. video gain 40 dB or 100X
- ☐ Max. video output 110V p-p drive

Deflection Circuits

Vertical Deflection

- ☐ Size: adjustable from 50% overscan to 20% underscan
- ☐ Frequency range: from 45 Hz to 65Hz

- ☐ Retrace time less than 0.5 milliseconds

Horizontal Deflection

- ☐ Size: adjustable from 20% overscan to 10% underscan
- ☐ Frequency range: 11KHz to 24KHz
- ☐ Retrace time: less than 6 microseconds

High Voltage

- ☐ 32.0 KV regulated to better than $\pm 1\%$

Power requirements

- ☐ 120 VAC $\pm 10\%$ can be internally reconnected for 220 VAC $\pm 10\%$ or 240 VAC $\pm 10\%$
- ☐ Line Frequency 50 or 60 Hz nominal
- ☐ Power 120 watts max.

Environment

Maximum Operating Range

- ☐ Temperature: 0° to 35° C
- ☐ Humidity: 0 - 90% non condensing
- ☐ Altitude: 0 - 10,000 feet (3,000m)

Storage

- ☐ Temperature: -30° to 65° C

ELECTROHOME ELECTRONICS

Commercial Marketing

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Due to constant research, specifications are subject to change without notice. Manufacturers of television display equipment in monochrome and colour standards for data, industrial, commercial and educational users.
This product is designed to meet or exceed safety standards and regulations of: CSA, UL, FCC, DGC, DHEW, HWC.